

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-10 (Cancelled).

11. (Currently Amended) A method of producing a transparent and homogenous chewable mass for remineralization of tooth enamel, comprising:

preparing an aqueous solution of at least one acidifying agent that is suitable as a foodstuff;

adding a reactive calcium source to said aqueous solution;

adding the solution to a thickener, wherein said thickener is gelatin,

wherein phosphoric acid is added during at least one of said preparing and adding;

thoroughly mixing all components to form a mass;

shaping said mass; and

drying the mass,

wherein the mass, which is transparent and homogenous, comprises a calcium content of between 50 and 150 mMol/kg and a phosphoric acid content of between 15 and 500 mMol/kg.

Claim 12 (Cancelled).

13. **(Previously Presented)** A method according to claim 11, which includes mixing various acidifying agents as a reactant for said preparing step.

14. **(Previously Presented)** A method according to claim 11, wherein said at least one acidifying agent comprises at least one of the group consisting of carboxylic acids and fruit acids.

15. **(Previously Presented)** A method according to claim 14, wherein said carboxylic acids include lactic acid.

16. **(Previously Presented)** A method according to claim 14, wherein said fruit acids include pyruvic acid, citric acid and malic acid.

17. **(Previously Presented)** A method according to claim 11, wherein said aqueous solution of said preparing step contains a first calcium-complexing acid, and wherein a further calcium-complexing acid is added to such aqueous solution that is more powerful than is said first calcium-complexing acid.

18. **(Previously Presented)** A method according to claim 17, wherein said further calcium-complexing acid is at

least one of malic acid and citric acid, and wherein said first calcium-complexing acid is pyruvic acid.

19. (**Previously Presented**) A method according to claim 11, wherein said calcium source is at least one of the group consisting of calcium oxide, calcium hydroxide and calcium carbonate.

20. (**Currently Amended**) A transparent and homogenous chewable mass produced by the method of claim 11.

Claims 21-24 (**Cancelled**).

25. (**Currently Amended**) A method according to claim 11, wherein the transparent and homogenous chewable mass is a fruit gum.

26. (**Currently Amended**) A method of producing a transparent and homogenous chewable mass for remineralization of tooth enamel, comprising:

preparing an aqueous solution of at least one acidifying agent that is suitable as a foodstuff,

wherein said aqueous solution of said preparing step contains a first calcium-complexing acid, and

wherein a further calcium-complexing acid is added to such aqueous solution that is more powerful than is said first calcium-complexing acid;

adding a reactive calcium source to said aqueous solution;

adding the solution to a thickener, wherein said thickener is gelatin,

wherein phosphoric acid is added during at least one of said preparing and adding steps;

thoroughly mixing all components to form a mass;

shaping said mass; and

drying the mass,

wherein the mass, which is transparent and homogenous, comprises a calcium content of between 50 and 150 mMol/kg and a phosphoric acid content of between 15 and 500 mMol/kg.

27. **(Previously Presented)** A method according to claim 26, which includes mixing various acidifying agents as a reactant for said preparing step.

28. **(Previously Presented)** A method according to claim 26, wherein said at least one acidifying agent comprises at least one of the group consisting of carboxylic acids and fruit acids.

29. (Previously Presented) A method according to claim 28, wherein said carboxylic acids include lactic acid.

30. (Previously Presented) A method according to claim 28, wherein said fruit acids include pyruvic acid, citric acid and malic acid.

31. (Previously Presented) A method according to claim 26, wherein said further calcium-complexing acid is at least one of malic acid and citric acid, and wherein said first calcium-complexing acid is pyruvic acid.

32. (Previously Presented) A method according to claim 26, wherein said calcium source is at least one of the group consisting of calcium oxide, calcium hydroxide and calcium carbonate.

33. (Currently Amended) A transparent and homogenous chewable mass produced by the method of claim 26.

Claim 34 (Cancelled).

35. (Currently Amended) A method according to claim 26, wherein the transparent and homogenous chewable mass is a fruit gum.